

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator

KERR MCGEE OIL AND GAS ONSHORE LP

3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

3b. Phone No. (include area code)

(435) 781-7024

4. Location of Well (Report location clearly and in accordance with any State requirements. \*)

At surface SW/NW 2184'FNL, 636'FWL

At proposed prod. Zone

14. Distance in miles and direction from nearest town or post office\*

12.2 +/- MILES FROM OURAY, UTAH

15. Distance from proposed\* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any)

636'

16. No. of Acres in lease

800.00

17. Spacing Unit dedicated to this well

40.00

18. Distance from proposed location\* to nearest well, drilling, completed, applied for, on this lease, ft.

REFER TO  
TOPO C

19. Proposed Depth

10,233'

20. BLM/BIA Bond No. on file

RLB0005239

21. Elevations (Show whether DF, KDB, RT, GL, etc.)

4834'GL

22. Approximate date work will start\*

UPON APPROVAL

23. Estimated duration

TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.
2. A Drilling Plan.
3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
5. Operator certification.
6. Such other site specific information and/or plans as may be required by the authorized office.

25. Signature

Title

SENIOR LAND ADMIN SPECIALIST

Approved by (Signature)

Title

Name (Printed/Typed)

SHEILA UPCHEGO

Date

4/18/2007

Name (Printed/Typed)

BRADLEY G. HILL  
Office ENVIRONMENTAL MANAGER

Date

04-26-07

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

Federal Approval of this  
Action Is Necessary

RECEIVED

APR 23 2007

DIV. OF OIL, GAS & MINING



T9S, R21E, S.L.B.&M.

2006 Alum.  
Cap, 0.4'  
High, Pile of  
Stones

S89°58'23"E - 2640.98' (Meas.)

S89°38'30"E - 2645.84' (Meas.)

2006 Alum.  
Cap, 0.6'  
High, Pile of  
Stones

2006 Alum.  
Cap, 2.0'  
High, Pile of  
Stones

N00°13'14"E - 2658.16' (Meas.)

2184'

NBU #921-15E  
Elev. Ungraded Ground = 4834'

Set Marked  
Stone, "X"  
Marked on Top  
of Stone

5/8" Rebar,  
Marked 1/4  
Stone (Loose)  
Pile of Stones

N00°01'41"W - 2646.50' (Meas.)

N00°17'27"W - 2632.19' (Meas.)

2006 Alum.  
Cap, 0.6'  
High, Set  
Steel  
Post

2006 Alum.  
Cap, 0.3'  
High, Set  
Stone

Large Pile  
of Stones,  
Notched Stone  
(Not Set)

N00°02'04"E - 2639.54' (Meas.)

N89°35'07"W - 2643.03' (Meas.)

S89°52'10"W - 2640.71' (Meas.)

# LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)  
LATITUDE = 40°02'14.58" (40.037383)  
LONGITUDE = 109°32'42.31" (109.545086)  
(NAD 27)  
LATITUDE = 40°02'14.71" (40.037419)  
LONGITUDE = 109°32'39.83" (109.544397)

## Kerr-McGee Oil & Gas Onshore LP

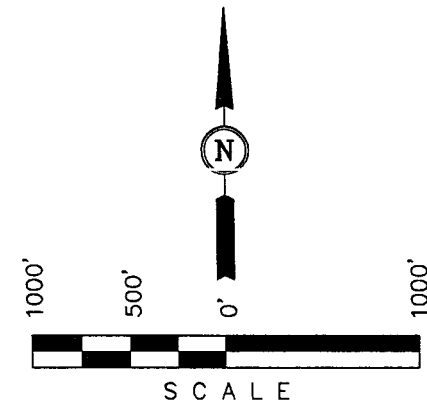
Well location, NBU #921-15E, located as shown in the SW 1/4 NW 1/4 of Section 15, T9S, R21E, S.L.B.&M., Uintah County, Utah.

### BASIS OF ELEVATION

TWO WATER TRIANGULATION STATION LOCATED IN THE NW 1/4 OF SECTION 1, T10S, R21E, S.L.B.&M. TAKEN FROM THE BIG PACK MTN NE, QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 5238 FEET.

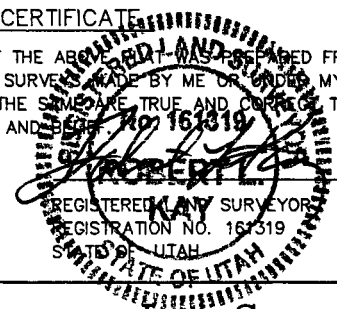
### BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



### CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPRESENTS AND IS BASED FROM FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



UINTAH ENGINEERING & LAND SURVEYING  
85 SOUTH 200 EAST - VERNAL, UTAH 84078  
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 01-24-07	DATE DRAWN: 01-25-07
PARTY L.K. J.M. S.L.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	



**NBU 921-15E  
SW/NW Sec. 15, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-010950-A**

**ONSHORE ORDER NO. 1**

***DRILLING PROGRAM***

**1. Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1730'
Top of Birds Nest Water	2050'
Mahogany	2429'
Wasatch	5128'
Mesaverde	8063'
MVU2	9021'
MVL1	9598'
TD	10,230'

**2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1730'
	Top of Birds Nest Water	2050'
	Mahogany	2429'
Gas	Wasatch	5128'
Gas	Mesaverde	8063'
Gas	MVU2	9021'
Gas	MVL1	9598'
Water	N/A	
Other Minerals	N/A	

**3. Pressure Control Equipment (Schematic Attached)**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

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**4. Proposed Casing & Cementing Program:**

*Please see the Natural Buttes Unit SOP.*

**5. Drilling Fluids Program:**

*Please see the Natural Buttes Unit SOP.*

**6. Evaluation Program:**

*Please see the Natural Buttes Unit SOP.*



7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 10,230' TD, approximately equals 6343 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 4092 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

*Drilling is planned to commence immediately upon approval of this application.*

9. **Variances:**

*Please see Natural Buttes Unit SOP.*

10. **Other Information:**

*Please see Natural Buttes Unit SOP.*

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**KERR-McGEE OIL & GAS ONSHORE LP**  
**DRILLING PROGRAM**

COMPANY NAME	KERR-McGEE OIL & GAS ONSHORE LP	DATE	April 18, 2007	
WELL NAME	NBU 921-15E	TD	10,230'	MD/TVD
FIELD	Natural Buttes	COUNTY	Uintah	STATE
			Utah	
ELEVATION	4,832'	GL	KB	4,847'
SURFACE LOCATION	SW/NW SEC. 15, T9S, R21E 2184'FNL., 636'FWL			BHL
				Straight Hole
Latitude:	40.037383	Longitude:	109.545086	
OBJECTIVE ZONE(S)	Wasatch/Mesaverde			
ADDITIONAL INFO	Regulatory Agencies: TRIBAL (SURF & MINERALS), BLM, UDOGM, Tri-County Health Dept.			

GEOLOGICAL			MECHANICAL		
LOGS	FORMATION	DEPTH	HOLE SIZE	CASING SIZE	MUD WEIGHT
		40'		14"	
			12-1/4"	9-5/8" 32.3#, H-40, STC	Air mist
			**For wells w/ surf csg set below 2200' app 10 jts of 3¢# J55 will be run on bottom		
Catch water sample, if possible, from 0 to 5,128'					
	Green River @	1,730'			
	Top of Birds Nest Water @	2,050'			
	Mahogany @	2,429'			
	Preset f/ GL @				
	2,600' MD				
	Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.				
Mud logging program TBD					
Open hole logging program f/ TD - surf csg			7-7/8"	4-1.2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-11.8 ppg
	Wasatch @	5,128'			
	Mverde @	8,063'			
	MVU2 @	9,021'			
	MVL1 @	9,598'			
					Max anticipated Mud required 11.8 ppg
	TD @	10,230'			



# KERR-McGEE OIL & GAS ONSHORE LP DRILLING PROGRAM

## CASING PROGRAM

	SIZE	INTERVAL	WT	GR	DRLS	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				2270	1370	254000
SURFACE	9-5/8"	0 to 2200	32.30	H-40	STC	0.56*****	1.33	3.45
	9-5/8"	2200 to 2600	36.00	J-55	STC	1.11*****	1.66	7.67
PRODUCTION	4-1/2"	0 to 10230	11.60	I-80	LTC	1.93	1.01	1.94

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TVD)
- (Burst Assumptions: TD = 11.8 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing Buoy. Fact. of water)
- MASP 4027 psi
- \*\*\*\*\* Burst SF is low but csg is stronger than formation at 2600 feet
- \*\*\*\*\* EMW @ 2600 for 2270# is 16.8 ppg or 0.9 psi/ft

## CEMENT PROGRAM

		FOOTAGE	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	250	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	100		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2	NOTE: If well will circulate water to surface, option 2 will be utilized						
	LEAD	2000	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps flocele + 3% salt BWOC	230	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	4,620'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	500	60%	11.00	3.38
	TAIL	5,610'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	1570	60%	14.30	1.31

\*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

\*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

## FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

## ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 ramis. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test ramis on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE:

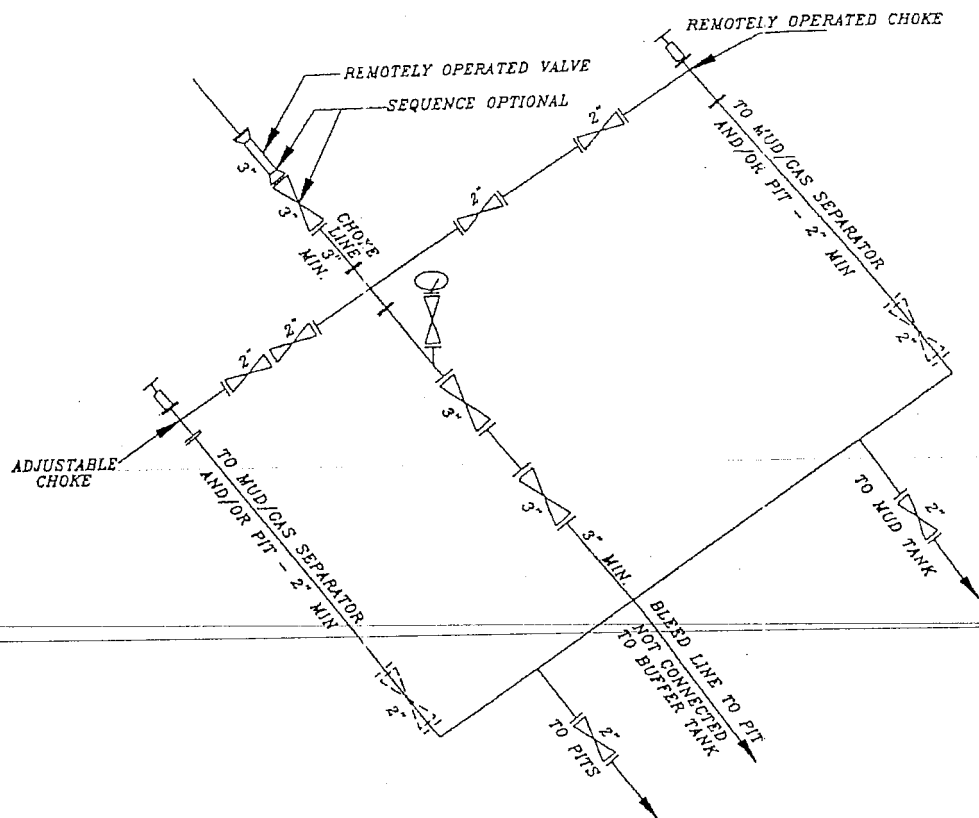
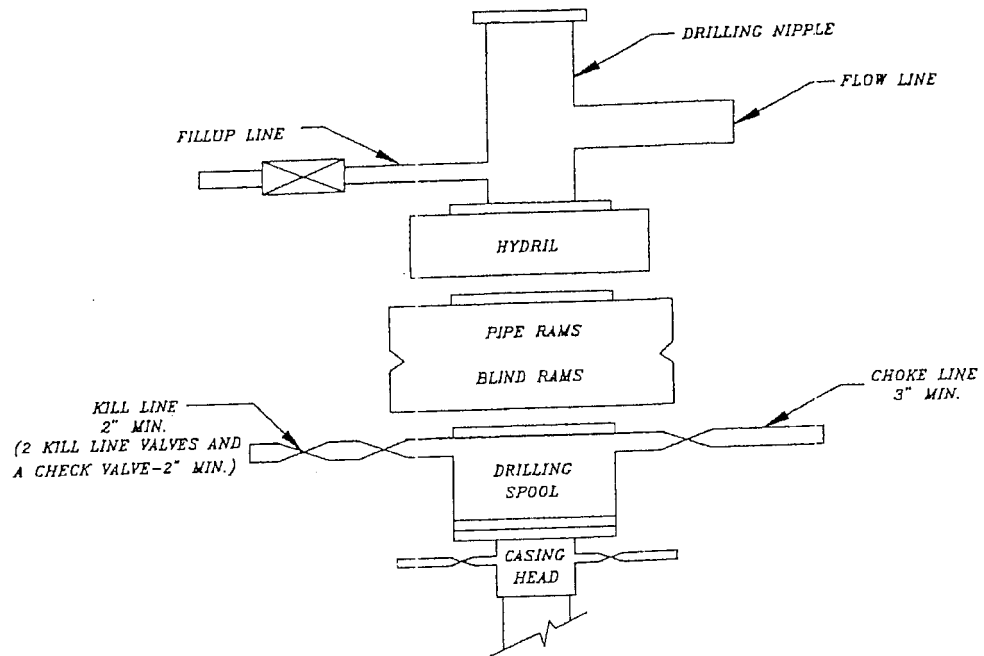
DRILLING SUPERINTENDENT:

Randy Bayne

DATE:



# 5M BOP STACK and CHOKE MANIFOLD SYSTEM





NBU 921-15E  
SW/NW SEC. 15, T9S, R21E  
UINTAH COUNTY, UTAH  
UTU-010950-A

ONSHORE ORDER NO. 1

***MULTI-POINT SURFACE USE & OPERATIONS PLAN***

1. **Existing Roads:**

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. **Planned Access Roads:**

*Please see the Natural Buttes Unit Standard Operating Procedure (SOP).*

Approximately 0.1 +/- miles of new access road. Please refer to the attached Topo Map B.

3. **Location of Existing Wells Within a 1-Mile Radius:**

Please refer to Topo Map C.

4. **Location of Existing & Proposed Facilities:**

*Please see the Natural Buttes Unit SOP.*

Approximately 761' +/- of 4" pipeline is proposed from the location to an existing pipeline.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. **Location and Type of Water Supply:**

*Please see the Natural Buttes SOP.*

6. **Source of Construction Materials:**

*Please see the Natural Buttes SOP.*

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7. **Methods of Handling Waste Materials:**

*Please see the Natural Buttes SOP.*

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).



8. **Ancillary Facilities:**

*Please see the Natural Buttes SOP.*

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig the location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:** ,

*Please see the Natural Buttes SOP.*

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe  
P.O. Box 70  
Fort Duchesne, Utah 84026  
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.



**13. Lessee's or Operator's Representative & Certification:**

Sheila Upchego  
Senior Land Admin Specialist  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7024

Randy Bayne  
Drilling Manager  
Kerr-McGee Oil & Gas Onshore LP  
1368 South 1200 East  
Vernal, UT 84078  
(435) 781-7013

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.

  
Sheila Upchego

4/18/2007

Date



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-15E

SECTION 15, T9S, R21E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; TURN LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY, THEN SOUTHEASTERLY, THEN NORTHEASTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN RIGHT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 3.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHEAST; TURN LEFT AND PROCEED IN A SOUTHEASTERLY, THEN EASTERLY DIRECTION APPROXIMATELY 1.5 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 43.3 MILES.

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# Kerr-McGee Oil & Gas Onshore LP

NBU #921-15E

LOCATED IN UINTAH COUNTY, UTAH  
SECTION 15, T9S, R21E, S.L.B.&M.



PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY

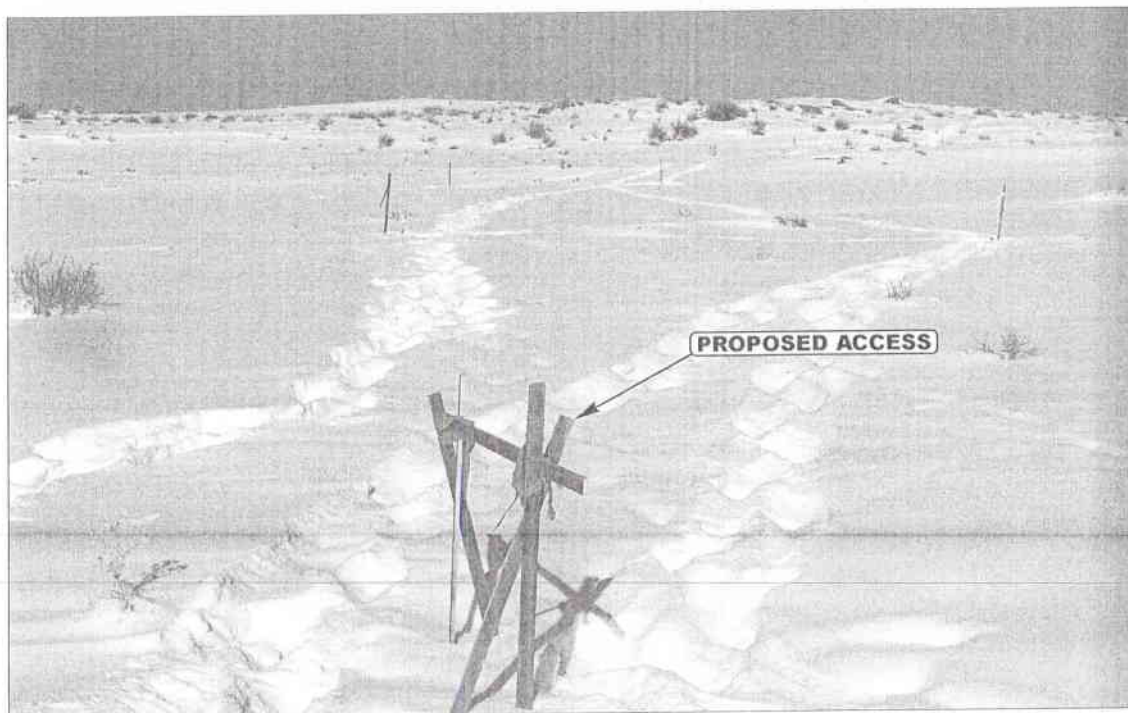


PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

01 30 07  
MONTH DAY YEAR

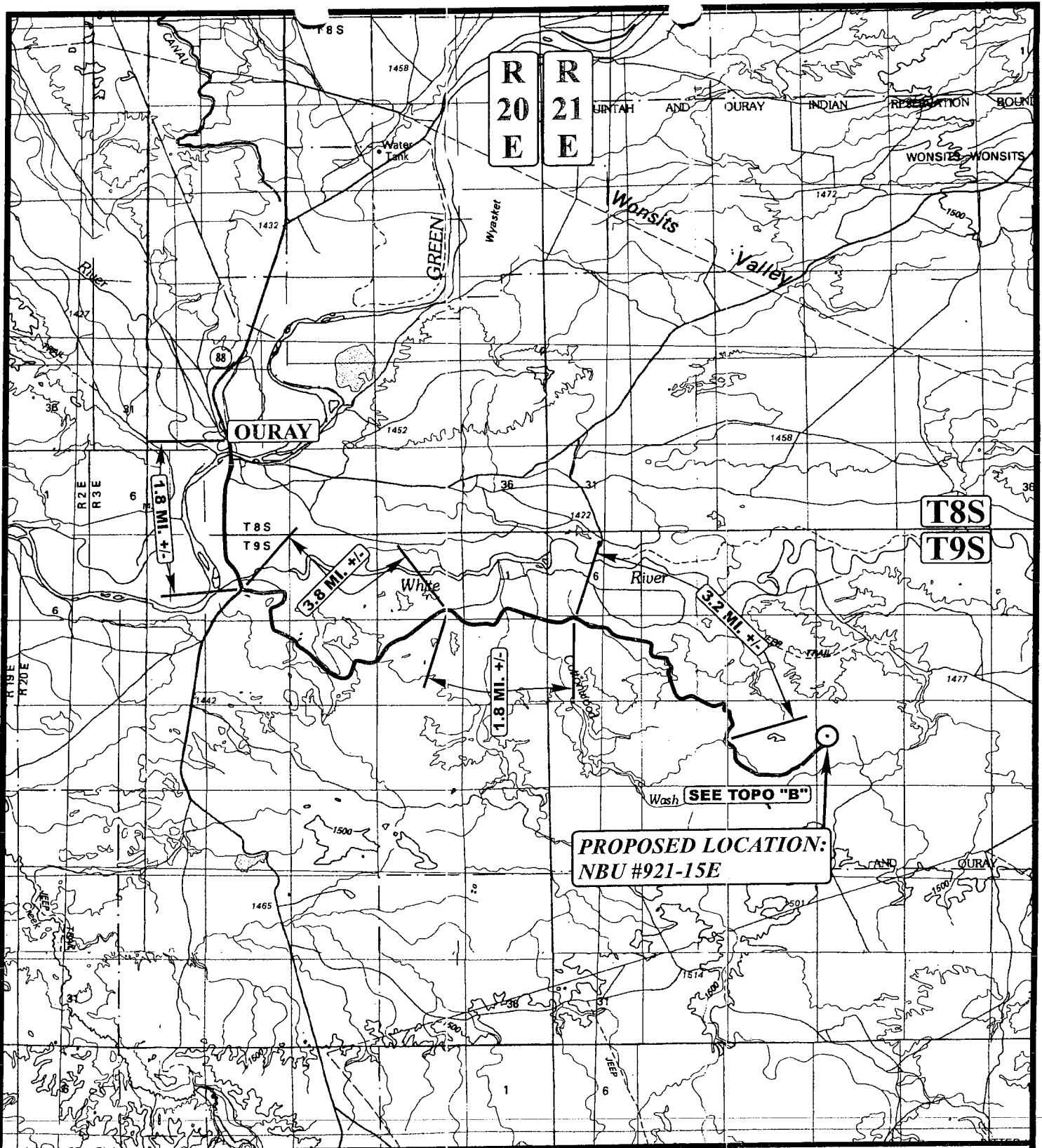
PHOTO

TAKEN BY: L.K.

DRAWN BY: A.A.

REVISED: 00-00-00





# **LEGEND:**

○ PROPOSED LOCATION

**Kerr-McGee Oil & Gas Onshore LP**

NBU #921-15E  
SECTION 15, T9S, R21E, S.L.B.&M.  
2184' FSL 636' FWL



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



TOPOGRAPHIC  
MAP

01 30 07  
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: A.A. REVISED: 00-00-00





R  
21  
E

PROPOSED LOCATION:  
NBU #921-15E

OURAY 10.6 MI. +/-

1.5 MI. +/-

PROPOSED ACCESS 0.1 MI. +/-

T9S

LEGEND:

————— EXISTING ROAD  
- - - - - PROPOSED ACCESS ROAD



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85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



Kerr-McGee Oil & Gas Onshore LP

NBU #921-15E  
SECTION 15, T9S, R21E, S.L.B.&M.  
2184' FSL 636' FWL

TOPOGRAPHIC  
MAP

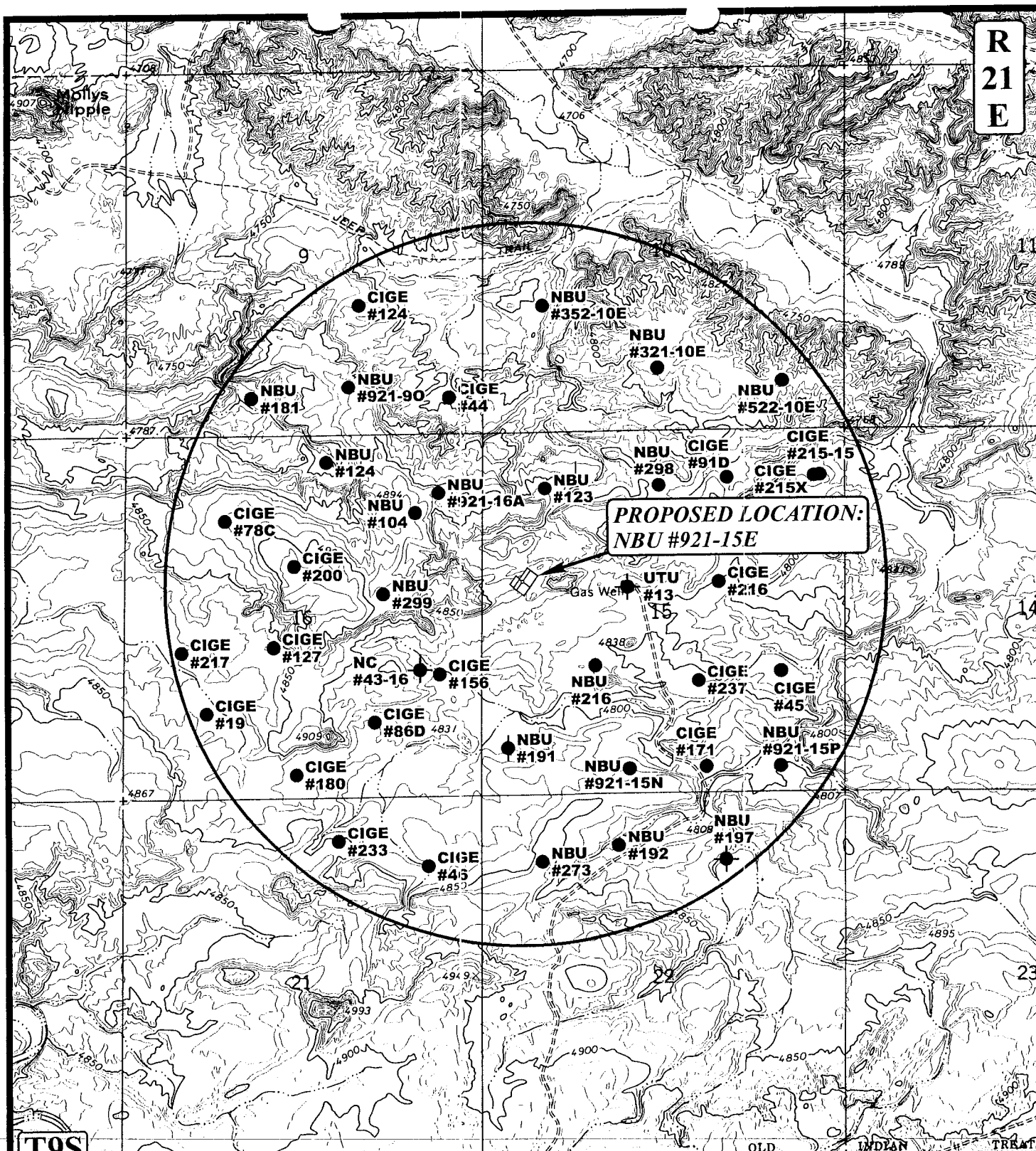
01 30 07  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: A.A. REVISED: 00-00-00

B  
TOPO



R  
21  
E



T9S

**LEGEND:**

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED



Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1313



**Kerr-McGee Oil & Gas Onshore LP**

NBU #921-15E  
SECTION 15, T9S, R21E, S.L.B.&M.  
2184' FSL 636' FWL

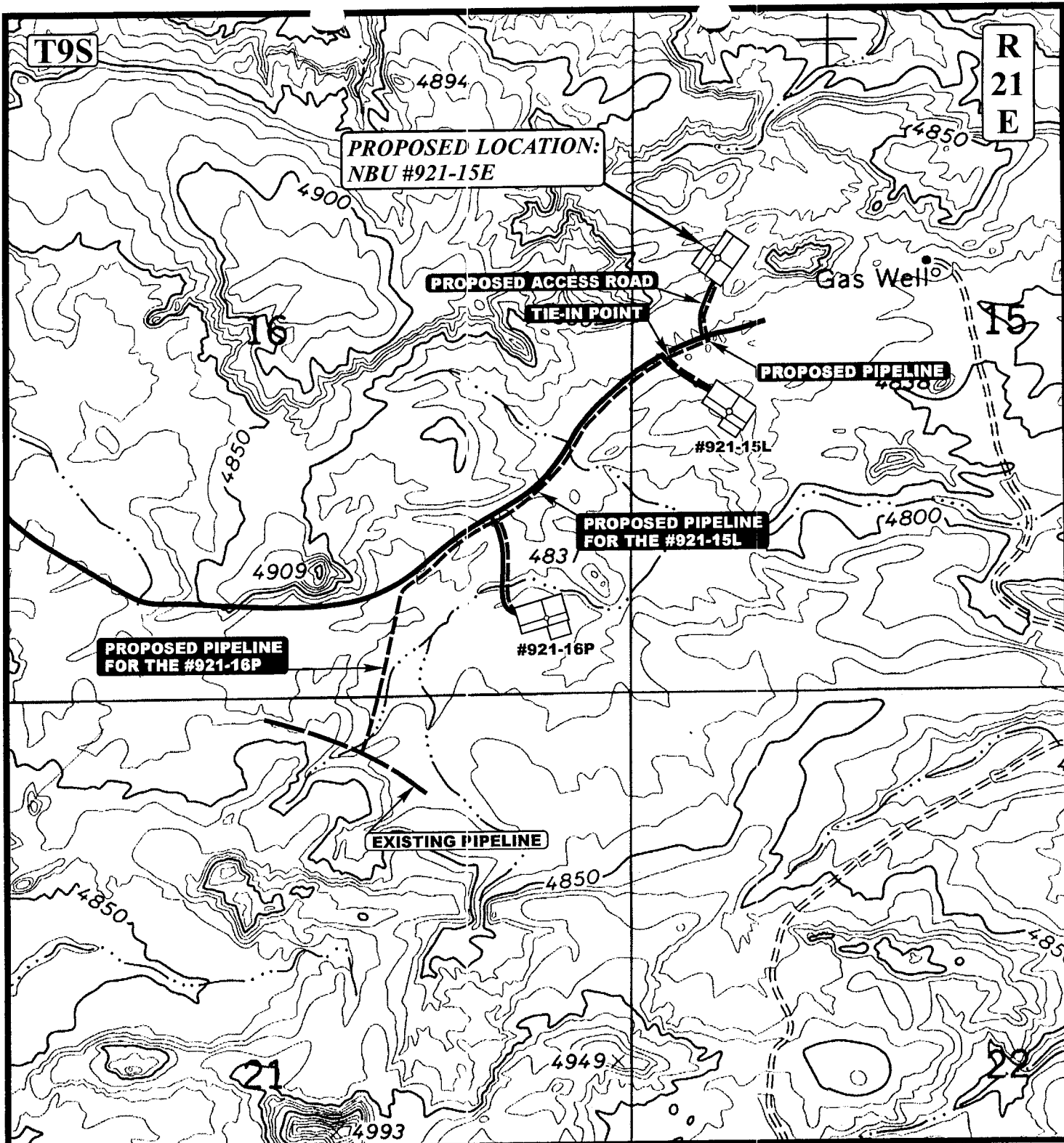
TOPOGRAPHIC  
MAP

01 30 07  
MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: A.A. REVISED: 00-00-00







APPROXIMATE TOTAL PIPELINE DISTANCE = 761' +/-

**LEGEND:**

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE (SERVICING OTHER WELLS)

**Kerr-McGee Oil & Gas Onshore LP**

NBU #921-15E

SECTION 15, T9S, R21E, S.L.B.&M.

2184' FSL 636' FWL



**Uintah Engineering & Land Surveying**  
85 South 200 East Vernal, Utah 84078  
(435) 789-1017 \* FAX (435) 789-1813



**TOPOGRAPHIC**  
**MAP**

**01** **30** **07**  
MONTH DAY YEAR

SCALE: 1" = 1000'

DRAWN BY: A.A.

REVISED: 00-00-00

**D**  
**TOPO**



# Kerr-McGee Oil & Gas Onshore LP

NBU #921-15E  
PIPELINE ALIGNMENT  
LOCATED IN UINTAH COUNTY, UTAH  
SECTION 15, T9S, R21E, S.L.B.&M.

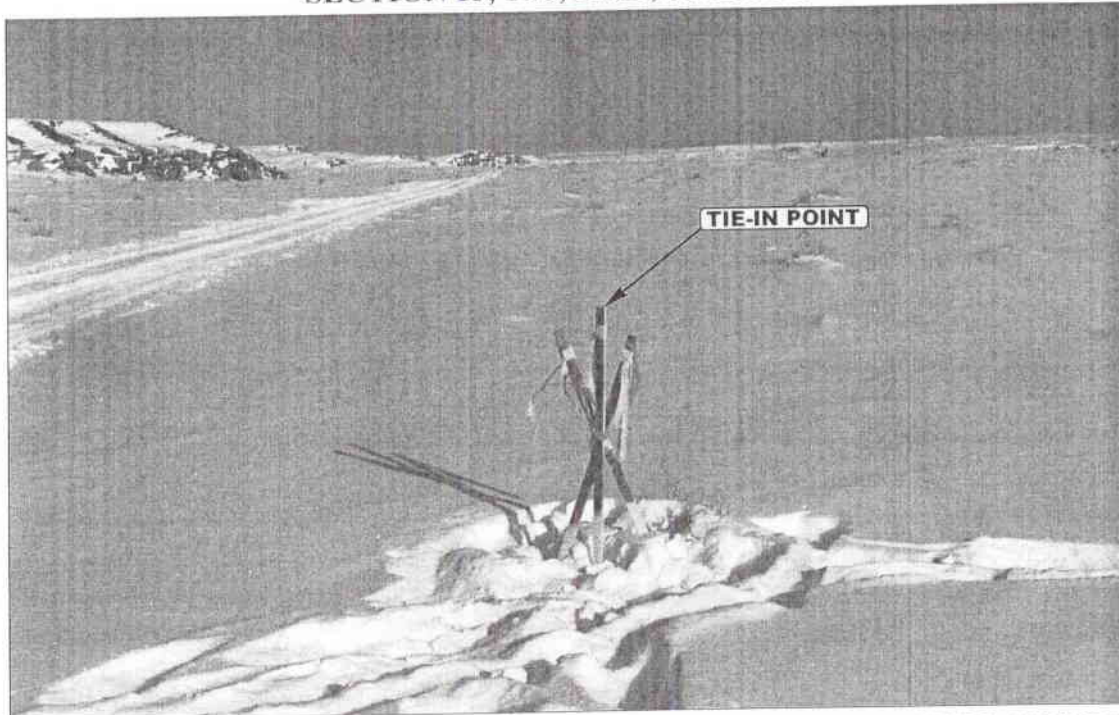


PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: NORTHEASTERLY

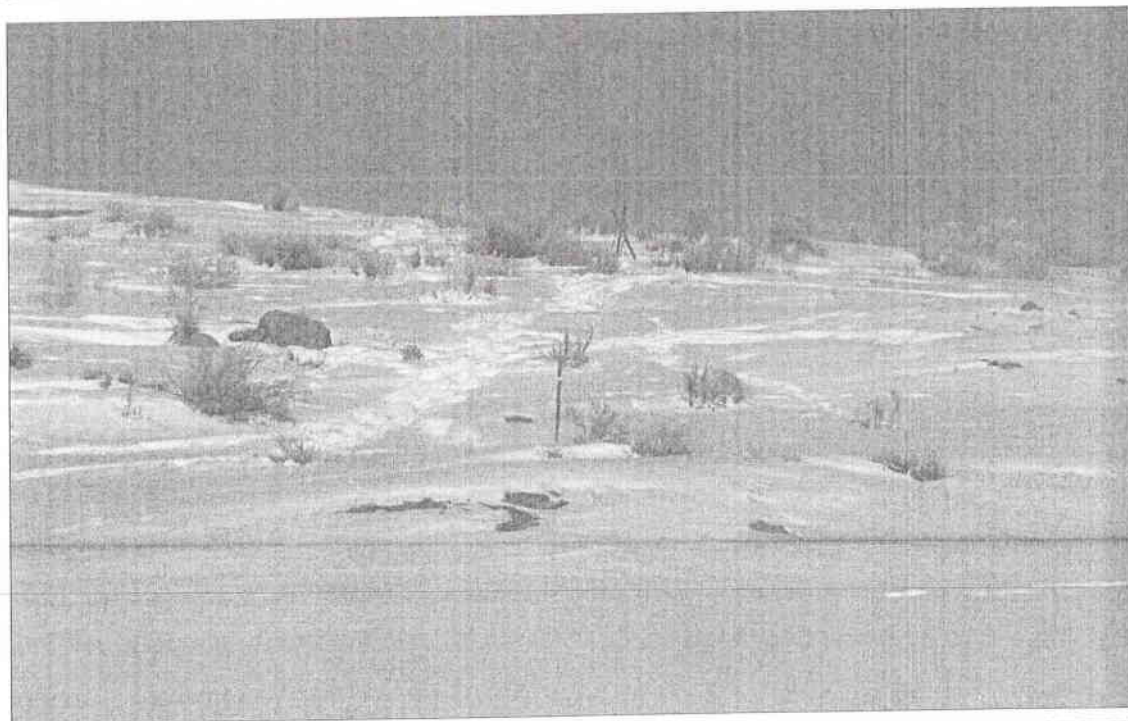


PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

**UELS** Uintah Engineering & Land Surveying  
85 South 200 East Vernal, Utah 84078  
435-789-1017 uels@uelsinc.com

PIPELINE PHOTOS

01 30 07  
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: A.A.

REVISED: 00-00-00



# Kerr-McGee Oil & Gas Onshore LP

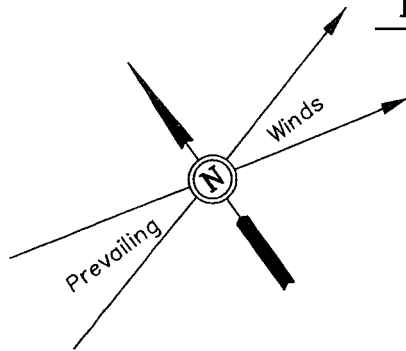
FIGURE #1

## LOCATION LAYOUT FOR

NBU #921-15E

SECTION 5, T9S, R21E, S.L.B.&M.

2184' FNL 636' FWL



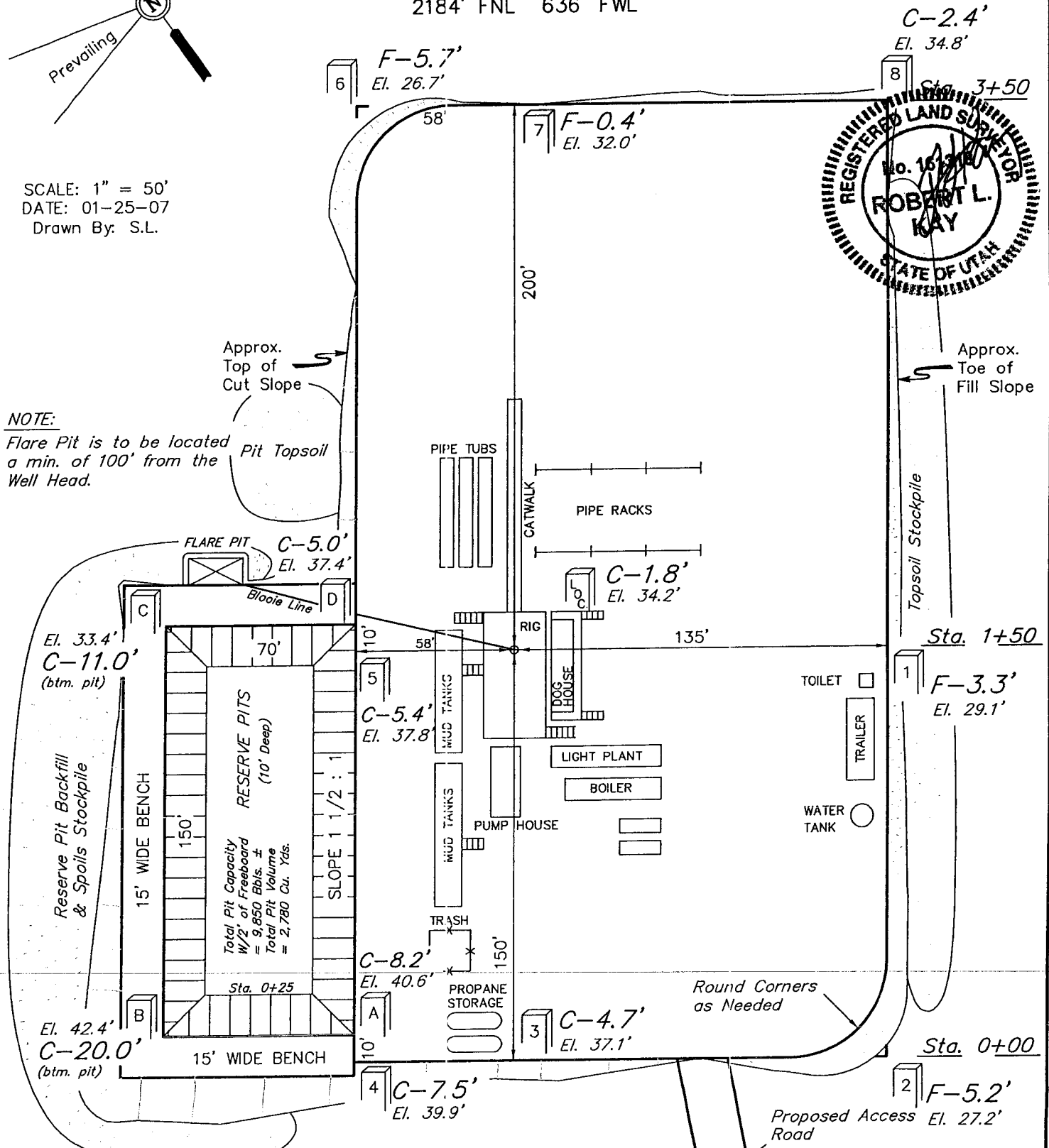
SCALE: 1" = 50'

DATE: 01-25-07

Drawn By: S.L.

### NOTE:

Flare Pit is to be located a min. of 100' from the Well Head.



### NOTES:

Elev. Ungraded Ground At Loc. Stake = 4834.2'

FINISHED GRADE ELEV. AT LOC. STAKE = 4832.4'

UINTAH ENGINEERING & LAND SURVEYING

85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



# Kerr-McGee Oil & Gas Onshore LP

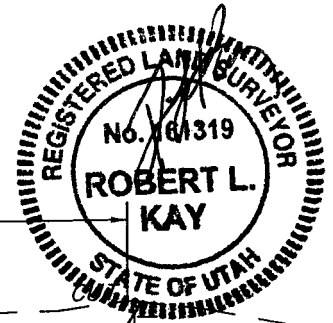
FIGURE #2

## TYPICAL CROSS SECTIONS FOR

NBU #921-15E

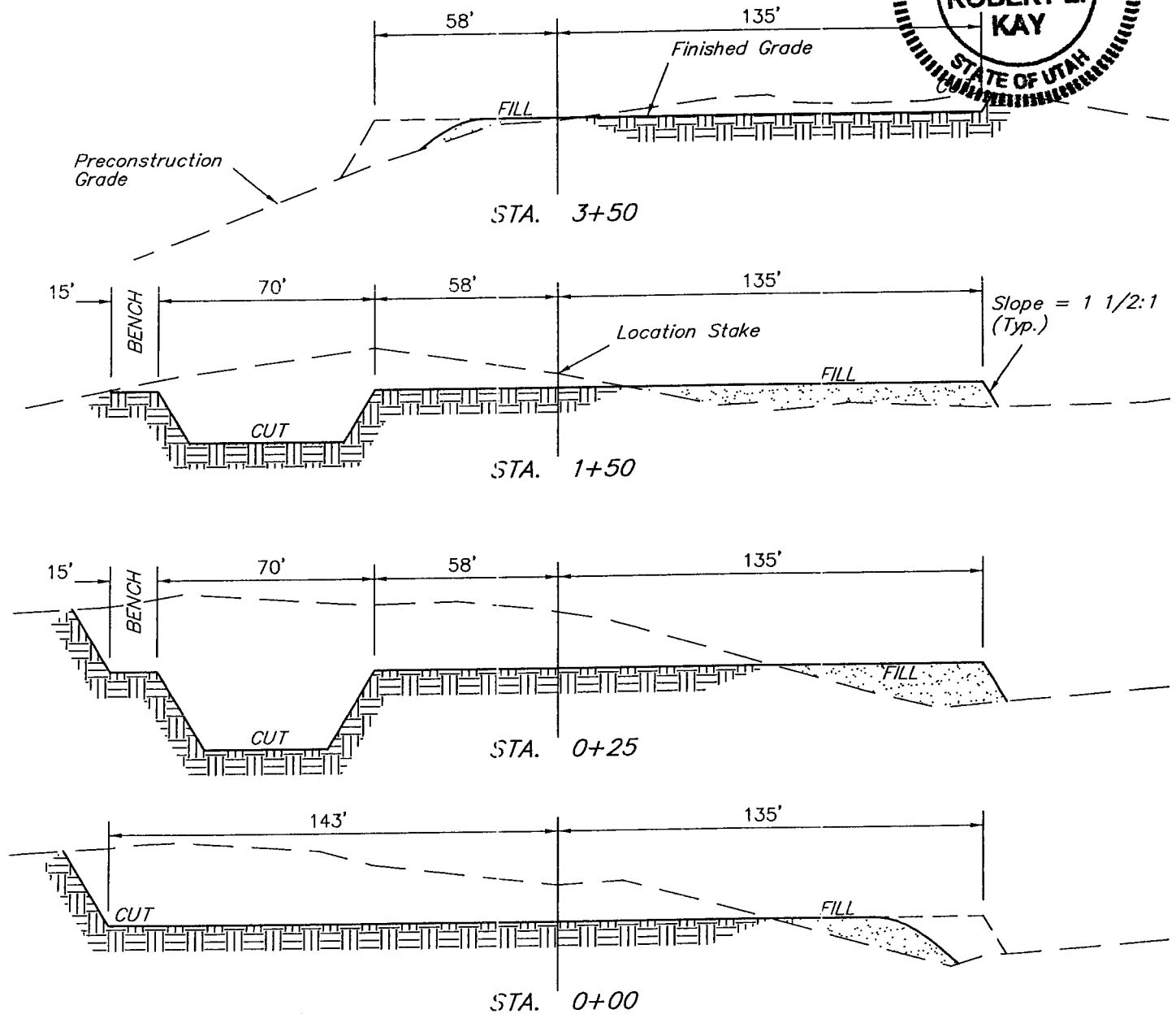
SECTION 15, T9S, R21E, S.L.B.&M.

2184' FNL 636' FWL



1" = 20'  
X-Section  
Scale  
1" = 50'

DATE: 01-25-07  
Drawn By: S.L.



### NOTE:

Topsoil should not be Stripped Below Finished Grade on Substructure Area.

### \* NOTE:

FILL QUANTITY INCLUDES 5% FOR COMPACTION

### APPROXIMATE YARDAGES

#### CUT

(12") Topsoil Stripping = 3,420 Cu. Yds.

Remaining Location = 9,220 Cu. Yds.

TOTAL CUT = 12,640 CU.YDS.

FILL = 5,390 CU.YDS.

EXCESS MATERIAL = 7,250 Cu. Yds.

Topsoil & Pit Backfill = 4,810 Cu. Yds.  
(1/2 Pit Vol.)

EXCESS UNBALANCE = 2,440 Cu. Yds.  
(After Interim Rehabilitation)

UINTAH ENGINEERING & LAND SURVEYING  
85 So. 200 East \* Vernal, Utah 84078 \* (435) 789-1017



**WORKSHEET**  
**APPLICATION FOR PERMIT TO DRILL**

APD RECEIVED: 04/23/2007

API NO. ASSIGNED: 43-047-39252

WELL NAME: NBU 921-15E

OPERATOR: KERR-MCGEE OIL & GAS ( N2995 )

CONTACT: SHEILA UPCHEGO

PHONE NUMBER: 435-781-7024

**PROPOSED LOCATION:**

SWNW 15 090S 210E

SURFACE: 2184 FNL 0636 FWL

BOTTOM: 2184 FNL 0636 FWL

COUNTY: UINTAH

LATITUDE: 40.03736 LONGITUDE: -109.5443

UTM SURF EASTINGS: 624193 NORTHINGS: 4432709

FIELD NAME: NATURAL BUTTES ( 630 )

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
-------------	----------	------

Engineering		
-------------	--	--

Geology		
---------	--	--

Surface		
---------	--	--

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-010950-A

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

**RECEIVED AND/OR REVIEWED:**

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]  
(No. RLB0005239 )

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit

(No. 43-8496 )

☒ RDCC Review (Y/N)

(Date: \_\_\_\_\_ )

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

**LOCATION AND SITING:**

       R649-2-3.

Unit: NATURAL BUTTES

       R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

       R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-3-04

Siting: 460' fr ukd1 (S) uncomm tract

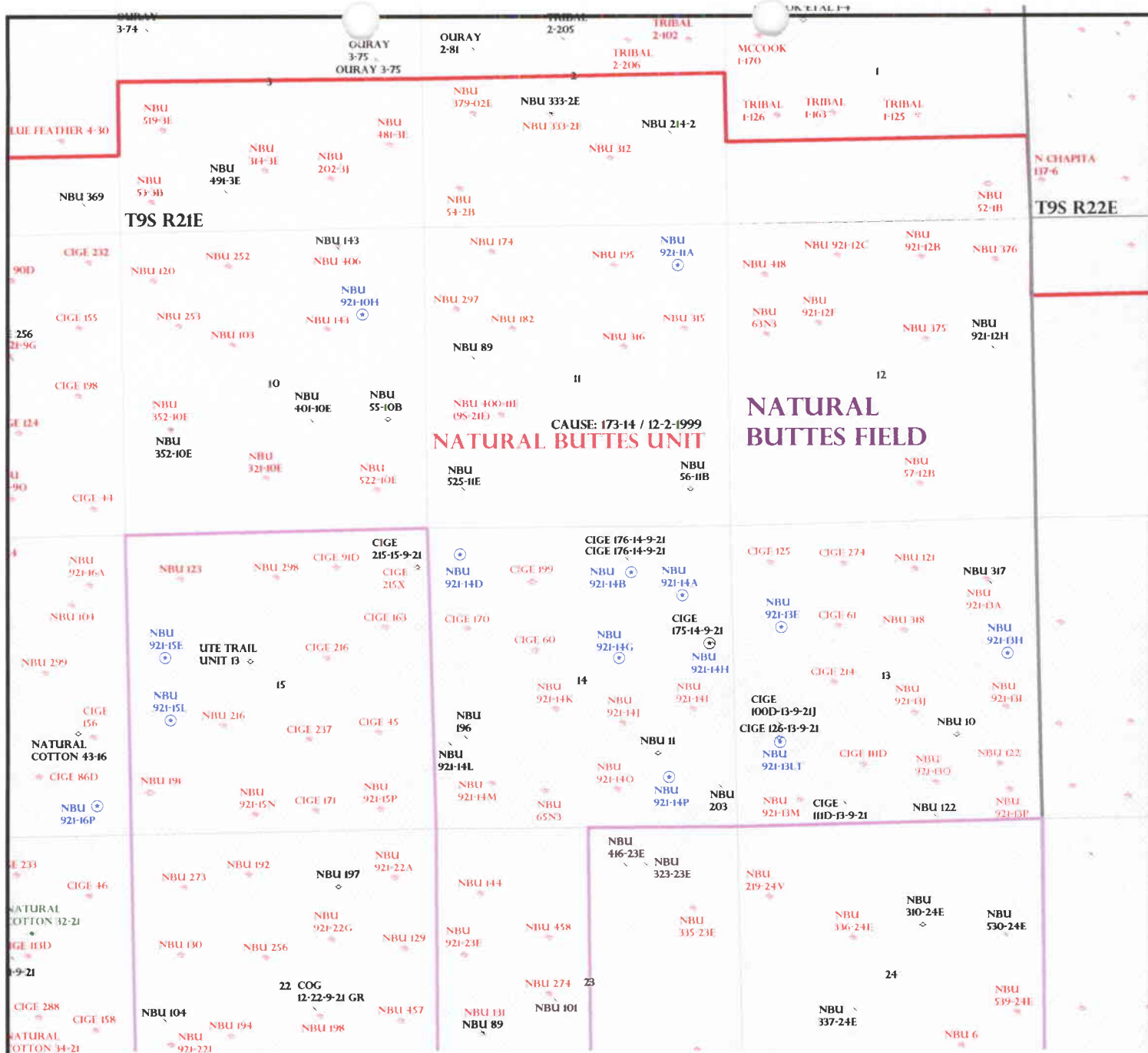
       R649-3-11. Directional Drill

COMMENTS: SOP, Separate File

STIPULATIONS: 1- Early Approval

2- OIL SHALE





OPERATOR: KERR MCGEE O&G (N2995)

SEC: 10,13,14,15 T.9S R. 21E

FIELD: NATURAL BUTTES (630)

COUNTY: UINTAH

CAUSE: 173-14 / 12-2-1999



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
P.O. Box 45155  
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:  
3160  
(UT-922)

April 25, 2007

### Memorandum

To: Assistant District Manager Minerals, Vernal District  
From: Michael Coulthard, Petroleum Engineer  
Subject: 2007 Plan of Development Natural Buttes Unit  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ Wasatch/MesaVerde)

43-047-39237	NBU 921-8B	Sec 08 T09S R21E 0528 FNL 2080 FEL
43-047-39238	NBU 921-8H	Sec 08 T09S R21E 1870 FNL 0837 FEL
43-047-39239	NBU 921-8P	Sec 08 T09S R21E 0533 FSL 0578 FEL
43-047-39240	NBU 921-9K	Sec 09 T09S R21E 2633 FSL 2383 FWL
43-047-39241	NBU 921-9C	Sec 09 T09S R21E 0896 FNL 1569 FWL
43-047-39254	NBU 921-16P	Sec 16 T09S R21E 0537 FSL 0610 FEL
43-047-39255	NBU 921-18D	Sec 18 T09S R21E 0550 FNL 0827 FWL
43-047-39256	NBU 921-21L	Sec 21 T09S R21E 1785 FSL 0797 FWL
43-047-39242	NBU 921-10H	Sec 10 T09S R21E 1472 FNL 1104 FEL
43-047-39243	NBU 921-13H	Sec 13 T09S R21E 2323 FNL 0531 FEL
43-047-39244	NBU 921-13E	Sec 13 T09S R21E 1818 FNL 0851 FWL
43-047-39245	NBU 921-13LT	Sec 13 T09S R21E 1465 FSL 0792 FWL
43-047-39246	NBU 921-14B	Sec 14 T09S R21E 0822 FNL 1764 FEL
43-047-39247	NBU 921-14D	Sec 14 T09S R21E 0465 FNL 0542 FWL
43-047-39248	NBU 921-14P	Sec 14 T09S R21E 0878 FSL 1163 FEL
43-047-39249	NBU 921-14A	Sec 14 T09S R21E 1239 FNL 0883 FEL
43-047-39250	NBU 921-14G	Sec 14 T09S R21E 2319 FNL 1996 FEL
43-047-39251	NBU 921-14H	Sec 14 T09S R21E 2088 FNL 0422 FEL
43-047-39252	NBU 921-15E	Sec 15 T09S R21E 2184 FNL 0636 FWL
43-047-39253	NBU 921-15L	Sec 15 T09S R21E 2015 FSL 0713 FWL



We have no objections to permitting the wells so long as the unit operator receives an exception to the locating and siting requirements of the State of Utah (R649-3-2).

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:4-25-07





**State of Utah**

**Department of  
Natural Resources**

MICHAEL R. STYLER  
*Executive Director*

**Division of  
Oil, Gas & Mining**

JOHN R. BAZA  
*Division Director*

JON M. HUNTSMAN, JR.  
*Governor*

GARY R. HERBERT  
*Lieutenant Governor*

April 26, 2007

Kerr McGee Oil and Gas Onshore LP  
1368 S 1200 E  
Vernal, UT 84078

Re: Natural Buttes Unit 921-15E Well, 2184' FNL, 636' FWL, SW NW, Sec. 15,  
T. 9 South, R. 21 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39252.

Sincerely,

A handwritten signature in black ink, appearing to read "Gil Hunt".

Gil Hunt  
Associate Director

pab  
Enclosures

cc: Uintah County Assessor  
Bureau of Land Management, Vernal Office



Operator: Kerr McGee Oil and Gas Onshore LP  
Well Name & Number Natural Buttes Unit 921-15E  
API Number: 43-047-39252  
Lease: UTU-010950-A

Location: SW NW                      Sec. 15                      T. 9 South                      R. 21 East

#### Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (301) 538-5281 office  
(801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

5. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.



RECEIVED  
VERNAL FIELD OFFICE

2007 APR 19 PM 12:00

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0136  
Expires November 30, 2000


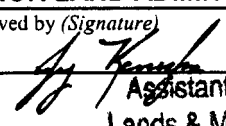
APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. <b>UTU-010950-A</b>	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>	
2. Name of Operator <b>KERR MCGEE OIL AND GAS ONSHORE LP</b>			7. If Unit or CA Agreement, Name and No. <b>UNIT #891008900A</b>	
3A. Address <b>1368 SOUTH 1200 EAST VERNAL, UT 84078</b>		3b. Phone No. (include area code) <b>(435) 781-7024</b>	8. Lease Name and Well No. <b>NBU 921-15E</b>	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface <b>SW/NW 2184'FNL, 636'FWL</b> At proposed prod. Zone			9. API Well No.	
14. Distance in miles and direction from nearest town or post office* <b>12.2 +/- MILES FROM OURAY, UTAH</b>			10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) <b>636'</b>			11. Sec., T., R., M., or Blk, and Survey or Area <b>SEC. 15, T9S, R21E</b>	
16. No. of Acres in lease <b>800.00</b>		17. Spacing Unit dedicated to this well <b>40.00</b>		
18. Distance from proposed* location to nearest well, drilling, completed, applied for, on this lease, ft. <b>REFER TO TOPO C</b>		20. BLM/BIA Bond No. on file <b>RLB0005239</b>		
21. Elevations (Show whether DF, KDB, RT, GL, etc.) <b>4834'GL</b>		22. Approximate date work will start* <b>UPON APPROVAL</b>		23. Estimated duration <b>TO BE DETERMINED</b>

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- |  |   |
|--|---|
| 1. Well plat certified by a registered surveyor.   | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).   |
| 2. A Drilling Plan.  | 5. Operator certification.  |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) <b>SHEILA UPCHEGO</b>	Date <b>4/18/2007</b>
Title <b>SENIOR LAND ADMIN SPECIALIST</b>		
Approved by (Signature) 	Name (Printed/Typed) <b>TERRY KENCAL</b>	Date <b>10-22-2007</b>
Title <b>Assistant Field Manager Lands &amp; Mineral Resources</b>	Office <b>VERNAL FIELD OFFICE</b>	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

\*(Instructions on reverse)

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED

NIC NOS  
076XJ4036A





UNITED STATES DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



**CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL**

Company: Kerr-McGee Oil & Gas Onshore, LP Location: SWNW Sec. 15, T9S, R21E  
Well No: NBU 921-15E Lease No: UTU-010950-A  
API No: 43-047-39252 Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Paul Buhler	(435) 781-4475	(435) 828-4029
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck MacDonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Jannice Cutler	(435) 781-3400	(435) 828-3544
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR  
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

**NOTIFICATION REQUIREMENTS**

Location Construction (Notify Environmental Scientist)	- Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	- Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	- Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	- Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	- Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.



**SURFACE USE PROGRAM  
CONDITIONS OF APPROVAL (COAs)**

**General Surface COAs:**

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

**Specific Surface COAs:**

- 1) Paleo monitoring.
- 2) Paint tanks Carlsbad tan.

- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.
- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations shall be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel shall refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department shall be notified



shall cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.

- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.



## **DOWNHOLE CONDITIONS OF APPROVAL**

### **SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL**

- None

**All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:**

### **DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS**

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.



- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT\_VN\_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.



#### OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
  - Operator name, address, and telephone number.
  - Well name and number.
  - Well location (¼¼, Sec., Twn, Rng, and P.M.).
  - Date well was placed in a producing status (date of first production for which royalty will be paid).
  - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
  - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
  - Unit agreement and/or participating area name and number, if applicable.
  - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include



deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.



## DIVISION OF OIL, GAS AND MINING

### **SPUDDING INFORMATION**

Name of Company: Kerr-McGee Oil & Gas Onshore, LP

Well Name: NBU 921-15E

API No: 43-047-39252 Lease Type: Federal/Indian

Section 15 Township 09S Range 21 E County Uintah

Drilling Contractor Pete Martin Drilling Rig # Bucket

### **SPUDDED:**

Date 12-10-07

Time 3:30 PM

How Dry

**Drilling will Commence:** \_\_\_\_\_

Reported by Lou Weldon

Telephone # 435-828-7035

Date 12-13-07 Signed RM



**STATE OF UTAH**  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MINING

FORM 6

**ENTITY ACTION FORM**

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995  
Address: 1368 SOUTH 1200 EAST  
city VERNAL  
state UT zip 84078 Phone Number: (435) 781-7024

**Well 1**

API Number	Well Name		QQ	Sec	Twp	Rng	County
4304739252	NBU 921-15E		SWNW	15	9S	21E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
B	99999	2900	12/10/2007		12/31/07		
<b>Comments:</b> MIRU PETE MARTIN BUCKET RIG. <i>WSMVD</i> SPUD WELL LOCATION ON 12/10/2007 AT 1530 HRS.							

**Well 2**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**Well 3**

API Number	Well Name		QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date		Entity Assignment Effective Date		
<b>Comments:</b>							

**ACTION CODES:**

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Signature

SENIOR LAND SPECIALIST

12/11/2007

Title

Date

**RECEIVED**

**DEC 11 2007**

**DIV. OF OIL, GAS & MINING**



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

KERR-McGEE OIL &amp; GAS ONSHORE LP

## 3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

## 3b. Phone No. (include area code)

(435) 781-7024

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 15 T9S, R21E 2184'FNL, 636'FWL

## 5. Lease Serial No.

UTU-010950-A

## 6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

## 7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

## 8. Well Name and No.

NBU 921-15E

## 9. API Well No.

4304739252

## 10. Field and Pool, or Exploratory Area

NATURAL BUTTES

## 11. County or Parish, State

UINTAH COUNTY, UTAH

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other WELL SPUD
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7#  
SCHEDULE 10 PIPE. CMT W/28 SX READY MIX.

**SPUD WELL LOCATION ON 12/10/2007 AT 1530 HRS**

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Title

SENIOR LAND ADMIN SPECIALIST

Signature

Date

December 11, 2007

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

DEC 14 2007

DIV. OF OIL, GAS &amp; MINING



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

KERR-McGEE OIL &amp; GAS ONSHORE LP

## 3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

## 3b. Phone No. (include area code)

(435) 781-7024

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 15 T9S, R21E 2184'FNL, 636'FWL

## 5. Lease Serial No.

UTU-010950-A

## 6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

## 7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

## 8. Well Name and No.

NBU 921-15E

## 9. API Well No.

4304739252

## 10. Field and Pool, or Exploratory Area

NATURAL BUTTES

## 11. County or Parish, State

UINTAH COUNTY, UTAH

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

MIRU BILL MARTIN AIR RIG ON 12/28/2007. DRILLED 12 1/4" SURFACE HOLE TO 2725'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/250 SX HIFILL CLASS G @11.0 PPG 3.82 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. GOOD CMT THROUGH OUT JOB NO RETURNS. RAN 200' OF 1" PIPE. CMT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN 1" PIPE. GOOD CMT TO SURFACE AND FELL BACK. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

WORT.

RECEIVED  
JAN 08 2008

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

January 3, 2008

DIV. OF OIL, GAS &amp; MINING

## THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENTFORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

## SUNDRY NOTICES AND REPORTS ON WELLS

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE – Other instructions on reverse side**

## 1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

## 2. Name of Operator

KERR-McGEE OIL &amp; GAS ONSHORE LP

## 3a. Address

1368 SOUTH 1200 EAST VERNAL, UT 84078

## 3b. Phone No. (include area code)

(435) 781-7024

## 4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

SW/NW SEC. 15 T9S, R21E 2184'FNL, 636'FWL

## 5. Lease Serial No.

UTU-010950-A

## 6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

## 7. If Unit or CA/Agreement, Name and/or No.

UNIT #891008900A

NATURAL BUTTES UNIT

## 8. Well Name and No.

NBU 921-15E

## 9. API Well No.

4304739252

## 10. Field and Pool, or Exploratory Area

NATURAL BUTTES

## 11. County or Parish, State

UINTAH COUNTY, UTAH

## 12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other FINAL DRILLING OPERATIONS
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleation in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

FINISHED DRILLING FROM 2725' TO 10,080' ON 01/21/2008. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/540 SX PREM LITE II @11.0 PPG 3.38 YIELD. TAILED CMT W/1165 SX 50/50 POZ @ 14.3 PPG 1.31 YIELD. BUMP PLUG PLUG HOLDING LAND CSG IN HANGER CLEAN MUD PITS.

RELEASED ENSIGN RIG 12 ON 01/23/2008 AT 1700 HRS.

## 14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

SHEILA UPCHEGO

Signature

Title

SENIOR LAND ADMIN SPECIALIST

Date

January 24, 2008

THIS SPACE FOR FEDERAL OR STATE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

RECEIVED

JAN 28 2008

DIV OF OIL &amp; GAS ADMINISTRATION



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
OMB No. 1004-0135  
Expires November 30, 2000

**SUNDRY NOTICES AND REPORTS ON WELLS**

**Do not use this form for proposals to drill or reenter an abandoned well. Use Form 3160-3 (APD) for such proposals.**

**SUBMIT IN TRIPLICATE - Other instructions on reverse side**

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator

**KERR-McGEE OIL & GAS ONSHORE LP**

3a. Address

**1368 SOUTH 1200 EAST VERNAL, UT 84078**

3b. Phone No. (include area code)

**(435) 781-7024**

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**SW/NW SEC. 15 T9S, R21E 2184'FNL, 636'FWL**

5. Lease Serial No.

**UTU-010950-A**

6. If Indian, Allottee or Tribe Name

**TRIBAL SURFACE**

7. If Unit or CA/Agreement, Name and/or No.

**UNIT #891008900A**

**NATURAL BUTTES UNIT**

8. Well Name and No.

**NBU 921-15E**

9. API Well No.

**4304739252**

10. Field and Pool, or Exploratory Area

**NATURAL BUTTES**

11. County or Parish, State

**UINTAH COUNTY, UTAH**

**12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA**

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <b>PRODUCTION</b>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	<b>START-UP</b>
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operations (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.

THE SUBJECT WELL LOCATION WAS PLACED ON PRODUCTION ON 03/02/2008 AT 11:00 AM.

PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.

14. I hereby certify that the foregoing is true and correct

Name (Printed/Typed)

**SHEILA UPCHEGO**

Title

**SENIOR LAND ADMIN SPECIALIST**

Signature

Date

**March 6, 2008**

**THIS SPACE FOR FEDERAL OR STATE USE**

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on reverse)

**RECEIVED**

**MAR 10 2008**

**DIV. OF OIL, GAS & MINING**





Anadarko Petroleum Corporation  
1368 South 1200 East  
Vernal, UT 84078

## CHRONOLOGICAL WELL HISTORY

### NBU 921-15E

LOCATION SWNW, SEC.15, T9S, R21E  
UINTAH COUNTY, UT

DATE	ACTIVITY	STATUS
11/07/07	LOCATION STARTED PIONEER 53	
12/10/07	LOCATION COMPLETED SET CONDUCTOR PIONEER 53 ENSIGN 12	P/L IN, WOBR WOAR
12/21/07	SET AIR RIG ENSIGN 12	PILOT 1000'
01/04/08	9-5/8" @ 2724' ENSIGN 12	WORT
01/09/08	TD: 2770' Csg. 9 5/8" @ 2725' MW: 8.4 Move to NBU 921-15E. Rig 80% moved. SDFN.	SD: 1/XX/08 DOL/DSS:1/0
01/10/08	TD: 2770' Csg. 9 5/8" @ 2725' MW: 8.4 Finish rig moved. RURT.	SD: 1/XX/08 DOL/DSS:2/0
01/11/08	TD: 2770' Csg. 9 5/8" @ 2725' MW: 8.4 RURT. NU and test BOPE. PU BHA and DP.	SD: 1/XX/08 DOL/DSS:3/0
01/14/08	TD: 5545' Csg. 9 5/8" @ 2725' MW: 9.8 Finish PUDS. POOH, fix BOPE and finish test. Drill cmt and FE. Rotary spud @ 1400 hrs on 1/11/08. Drill and survey f/ 2770'-5545'. DA @ report time.	SD: 1/11/08 DOL/DSS:6/3
01/15/08	TD: 6277' Csg. 9 5/8" @ 2725' MW: 9.8 Drill f/ 5545'-6277'. DA @ report time.	SD: 1/11/08 DOL/DSS:7/4
01/16/08	TD: 6815' Csg. 9 5/8" @ 2725' MW: 9.8 Drill f/ 6277'-6543'. TFNB. Drill to 6815'. DA @ report time.	SD: 1/11/08 DOL/DSS:8/5
01/17/08	TD: 7865' Csg. 9 5/8" @ 2725' MW: 10.8 Drill f/ 6815'-7865'. DA @ report time.	SD: 1/11/08 DOL/DSS:9/6
01/18/08	TD: 8755' Csg. 9 5/8" @ 2725' MW: 11.4 Drill f/ 7865'-8755'. DA @ report time.	SD: 1/11/08 DOL/DSS:10/7
01/21/08		



TD: 9715' Csg. 9 5/8" @ 2725' MW: 11.4 SD: 1/11/08 OL/DSS:13/10  
Drill f/ 8755'-8898'. TFNB. Drill f/ 8898'-9715' TFNB. pull through tight hole at 5445' to 5330'

01/22/08

TD: 10,080' Csg. 9 5/8" @ 2725' MW: 11.8 SD: 1/11/08 OL/DSS:14/11  
TIH and drill from 9715'-10,080' TD @ report time.

01/23/08

TD: 10,080' Csg. 9 5/8" @ 2725' MW: 11.8 SD: 1/11/08 DOL/DSS:15/12  
CCH and lay down drill string. RU loggers and run Quad Combo. Run production casing @  
report time.

01/24/08

TD: 10,080' Csg. 9 5/8" @ 2725' MW: 11.8 SD: 1/11/08 DOL/DSS:16/13  
Run and cement production casing. Land casing and release rig @ 1700 hrs 1/23/08. RDRT.

01/25/08

TD: 10,080' Csg. 9 5/8" @ 2725' MW: 11.8 SD: 1/11/08 DOL/DSS:17/14  
RDRT and winterize rig.

02/25/08

MIRU

SUMMARY				
MIRU. PREP & TALLY 2 3/8" TSG. P/U 3 7/8" WILE & RIH P/U TSG OFF TRAILER. X-O POOH				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-17:00	10.00	31 P	I	7:00 A.M. HSM ROAD RIG & EQUIP FED 920-350 TO LOC. MIRU. NDWH, NLSOPE. PREP & TALLY 2 3/8" L-31 6RD 4.7# TSG. P/U 3 7/8" MILL ON BIT SU5 & RIH P/U 252 JTS TSG OFF TRAILER. ECT @ 6054'. X-O POOH STAND BACK TSG. JD MILL & BIT SU5. NLSOPE. NU FRAC VLV'S. R/U FLOW BACK EQUIP. PREP TO PSI TST IN A.M. SWI. SDFN

02/26/08

PREP TO FRAC

SUMMARY				
PSI TST CSG & FRAC VLV'S. PERF STG 1, PREP TO FRAC				
OPERATION DETAILS				
HOURS	DUR	CODE	SUB	DESCRIPTION
7:00-12:00	5.00	34 P	H	7:00 A.M. HSM MIRU B&C QUICK TST. FILL CSG W/ 2% KCL. PSI TST CSG & FRAC VLV'S TO 7500# (HELD). MIRU CUTTERS W/L. SVC. P/U 3 3/8" EXP PERF GUNS. LOADED W/ 23 GM CHARGES, 4 SPF, 90 DEG PHASING & RIH. SHOOT 32 HOLES F/ 6543' - 9857'. P/U SHOOT 8 HOLES F/ 6755' - 57'. POOH. R/D CUTTERS. MIRU WEATHERFORD FRAC SVC. PREP TO FRAC IN A.M. SWI. SDFD

02/27/06

MIRU WEATHERFORD FRAC SVC. PRIME PMP'S & PSI TST LINES TO 8500# (HELD). PREP  
TO FRAC NOTE: ALL MESA VERDE STAGES SHOT W/ 3 1/8" EXP PERF  
GUNS LOADED W/ 23 GM CHARGES, 2,3,4 SPF, 90,120,180 DEG PHASING. WASATCH  
STAGE SHOT W/ 3 1/8" HSC PERF GUNS LOADED W/ 12 GM CHARGES, 3 SPF, 120 DEG  
PHASING. ALL STAGES TREATED W/ NALCO DVE-005 SCALE INHIB, 3 GPT IN  
PAD & 1/2 RAMP. 10 GPT IN FLUSH & PRE PAD. ALL STAGES TREATED W/ 30/50 SAND W/  
NO SAND CONTROLL. ALL CBP'S ARE 4 1/2" BAKER 8K CBP'S STG 1: BRK DWN PERF'S @  
3814#, EST INJ RT @ 50.5 BPM @  
5300#, ISIP 2952#, FG .74, TREAT STG 1 W/ 28,820# SAND W/ SLK WTR. TOT CL FL 1018  
BBLs. ISIP 3583#, NPI 631#, FG .81 STG 2: P/U 3 1/8" PERF GUNS & CBP & RIH. SET CBP @  
9652', PERF GUNS MISFIRED. POOH, COULD NOT MAKE REPAIRS. CALL FOR NEW GUNS  
OUT OF VERNAL. (WAIT 2 HRS). P/U NEW 3 1/8" PERF GUNS & RIH. SHOOT 18 HOLES F/  
9616' - 22', P/U SHOOT 18 HOLES F/ 9603' - 09', P/U SHOOT 8 HOLES F/ 9503' - 05'. POOH,  
BRK DWN PERF'S @ 4008#, EST INJ RT @ 51.4 BPM @ 4930#, ISIP 2903#, FG .75. TREAT  
STG 2 W/ 107200# SAND W/SLK WTR. TOT CL FL 3101 BBLs. ISIP 3082#, NPI 179#, FG .76  
STG 3: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 9130', P/U SHOOT 28 HOLES  
F/ 9093' - 9100', P/U SHOOT 15 HOLES F/ 9080' - 85', POOH. BRK DWN PERF'S @ 6066#,



EST INJ RT @ 49.7 BPM @ 4500#, ISIP 2265#, FG .69, TREAT STG 3 W/23,850# SAND W/ SLK WTR. TOT CL FL 699 BBLs. ISIP 2975#, NPI 710#, FG .77 STG 4: P/U 3 1/8" PERF GUNS & 4 1/2" CBP & RIH. SET CBP @8610', P/U SHOOT 16 HOLES F/ 8576' - 80', P/U SHOOT 8 HOLES F/ 8530' - 34', P/U SHOOT 18 HOLES F/ 8496' - 8502'. POOH, BRK DWN PERF'S @ 4016#, EST INJ RT @ 50.3 BPM @ 4870#, ISIP 2568#, FG .74, TREAT STG 4 W/ 64,585# SAND W/ SLK WTR. TOT CL FL 1694 BBLs. ISIP 2445#, NPI -123#, FG .73 WINTERIZE W.H. DRAIN UP LINES. SWI. SDFN

02/28/08

STG 5: P/U 3 1/8" EXP PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 8366', P/U SHOOT 42 HOLES F/ 8322' - 36'. POOH. BRK DWN PERF'S @ 3884#, EST INJ RT @ 50.5 BPM @ 4830#, ISIP 2361#, FG .73, TREAT STG 5 W/ 42,820# SAND W/ SLK WTR. TOT CL FL 1152 BBLs. ISIP 2622#, NPI 261#, FG .76

STG 6: P/U 3 1/8" HSC PERF GUNS & 4 1/2" CBP & RIH. SET CBP @ 6404', P/U SHOOT 42 HOLES F/ 6360' - 74', POOH. BRK DWN PERF'S @ 2065#, EST INJ RT @ 50.8 BPM @ 3200#, ISIP 1543#, FG .68, TREAT STG 6 W/ 34400# SAND W/ SLK WTR. TOT CL FL 933 BBLs. ISIP 1306#, NPI -237#, FG .65 P/U 4 1/2" CBP & RIH. SET KILL PLUG @ 6310'. POOH. RDMO CUTTERS. RDMO WEATHERFORD FRAC SVC. ND FRAC VLV'S.

NU BOPE. P/U 3 7/8" BIT, POBS & RIH ON TBG. TAG KILL PLUG @ 6310'. L/D 1 JT. R/U DRL EQUIP. PREP TO D.O. IN A.M. SWI.

02/29/08

P/U 1 JT TBG. R/U PMP & LINES. BRK CONV CIRC W/ 2% KCL & BEG TO DRL DRL OUT KILL PLUG @ 6310', (100# PSI INC). CONT TO RIH. TAG FILL @ 6364', (40' FILL). C/O TO 2ND CBP @ 6404'. DRL UP 2ND CBP (500# PSI INC). CONT TO RIH. TAG FILL @8326', (40' FILL). C/O TO 3RD CBP @ 8366'. DRL UP 3RD CBP, (300# PSI INC). CONT TO RIH. TAG FILL @8550', (60' FILL). C/O TO 4TH CBP @ 8610'. DRL UP 4TH CBP, (500# PSI INC). CONT TO RIH. TAG FILL @9100', (30' FILL). C/O TO 5TH CBP @ 9130'. DRL OUT 5TH CBP, (500# PSI INC). CONT TO RIH. TAG FILL @ 9622', (30' FILL). C/O TO 6TH CBP @ 9652'. DRL UP 6TH CBP (500# PSI INC). CONT TO RIH. TAG FILL @ 9925', (90' FILL). C/O TO PBTD @ 10015'. CIRC WELL CLEAN. R/D DRL EQUIP. POOH L/D 37 JTS ON TRAILER. LUBRICATE TBG HANGER INTO WELL. LAND TBG W/ EOT @ 9034'. NDBOPE. DROP BALL. NUWH. R/U PMP. PMP OFF THE BIT SUB @ 2200#. R/U FLOW BACK LINES. RIG DWN, RACK OUT. TURN OVER TO FLOW BACK CREW @ 3:00 PM  
SICP 1600# FTP 100# 48/64 CHOKE TBG ON LOC 329 JTS TBG IN WELL 292 JTS  
TBG ON TRAILER 37 JTS

03/02/08

ON SALES @ 11AM FTP 1600#, FCP 2375#, CK 20/64" 1700 MCFD, 30 BWPH

03/03/08

ON SALES: 939 MCF, 0 BC, 480 BW, TP: 1400#, CP: 2125#, 20/64 CHK, 13 HRS, LP: 0#.



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

FORM APPROVED  
OMB NO. 1004-0137  
Expires: November 30, 2000

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas <input type="checkbox"/> Dry <input type="checkbox"/> Other b. Type of Completion: <input checked="" type="checkbox"/> New <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____						5. Lease Serial No. <b>UTU-010950-A</b>			
2. Name of Operator <b>KERR-MCGEE OIL &amp; GAS ONSHORE LP</b>						6. If Indian, Allottee or Tribe Name <b>TRIBAL SURFACE</b>			
3. Address <b>1368 SOUTH 1200 EAST, VERNAL, UTAH 84078</b>						7. Unit or CA Agreement Name and No. <b>UNIT #891008900A</b>			
3a. Phone No. (include area code) <b>(435) 781-7024</b>						8. Lease Name and Well No. <b>NBU 921-15E</b>			
4. Location of Well (Report locations clearly and in accordance with Federal requirements)*  At surface <b>SW/NW 2184'FNL, 636'FWL</b>  At top prod. interval reported below  At total depth						9. API Well No. <b>4304739252</b>			
14. Date Spudded <b>12/10/07</b>						10. Field and Pool, or Exploratory <b>NATURAL BUTTES</b>			
15. Date T.D. Reached <b>01/21/08</b>						11. Sec., T., R., M., or Block and Survey or Area <b>SEC. 15, T9S, R21E</b>			
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. <b>03/02/08</b>						12. County or Parish <b>UINTAH</b> 13. State <b>UTAH</b>			
17. Elevations (DF, RKB, RT, GL)* <b>4834'GL</b>									
18. Total Depth: MD <b>10.080'</b> TVD			19. Plug Back T.D.: MD <b>9034'</b> TVD			20. Depth Bridge Plug Set: MD TVD			
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) <b>CBL-COL-GR, BCS, SD, DSN, ACTR</b>						22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy) Directional Survey? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit copy)			
23. Casing and Liner Record (Report all strings set in well)									
Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20"	14"	36.7#		40'		28 SX			
12 1/4"	9 5/8"	36#		2725'		650 SX			
7 7/8"	4 1/2"	11.6#		10,080'		1705 SX			
24. Tubing Record									
Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Set (MD)	
2 3/8"	10,015'								
25. Producing Intervals					26. Perforation Record				
Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status			
A) WASATCH	6360'	6374'	6360'-6374'	0.35	42	OPEN			
B) MESAVERDE	8322'	9857'	8322'-9857'	0.36	211	OPEN			
C)									
D)									
27. Acid, Fracture, Treatment, Cement Squeeze, Etc.									
Depth Interval		Amount and type of Material							
6360'-6374'		PMP 933 BBLS SLICK H2O & 34,400# 30/50 SD							
8322'-9857'		PMP 7664 BBLS SLICK H2O & 267,275# 30/50 SD							
<div style="text-align: right;"> <b>RECEIVED</b>  <b>MAR 28 2008</b>  <b>DIV. OF OIL, GAS &amp; MINING</b> </div>									
28. Production - Interval A									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/02/08	03/08/08	24	→	40	1,771	222			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 819#	Csg. Press. 1175#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
19/64	SI	1175#	→	40	1771	222		PRODUCING GAS WELL	
28a. Production - Interval B									
Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
03/02/08	03/08/08	24	→	40	1771	222			FLows FROM WELL
Choke Size	Tbg. Press. Flwg. 819#	Csg. Press. 1175#	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Well Status	
19/64	SI	1175#	→	40	1771	222		PRODUCING GAS WELL	



## 28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production →	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate →	Oil BBL	Gas MCF	Water BBL	Gas : Oil Ratio	Well Status	

## 29. Disposition of Gas (Sold, used for fuel, vented, etc.)

**SOLD**

## 30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

## 31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top Meas. Depth
WASATCH MESAVERDE	5140' 8129'	8129'			

## 32. Additional remarks (include plugging procedure):

## 33. Circle enclosed attachments:

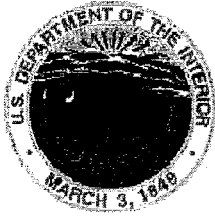
1. Electrical/Mechanical Logs (1 full set req'd.)      2. Geologic Report      3. DST Report      4. Directional Survey  
5. Sundry Notice for plugging and cement verification      5. Core Analysis      7. Other:

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions)\*

Name (please print) SHEILA UPCHEGOTitle SENIOR LAND ADMIN SPECIALISTSignature Date 03/25/08

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.





# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Green River District  
Vernal Field Office  
170 South 500 East  
Vernal, UT 84078

<http://www.blm.gov/ut/st/en/fo/vernal.html>



JAN 24 2014

IN REPLY REFER TO:  
3160 (UTG011)

Kaylene Gardner  
EOG Resources, Inc.  
600 17TH STREET, SUITE 1000 N  
DENVER, CO 80202

43 047 39252

Re: Notice of Expiration  
Well No. Stagecoach Unit 113-8  
SENW, Sec. 8, T9S, R22E  
Uintah County, Utah  
Lease No. UTU-0283  
Stagecoach Unit

RECEIVED

FEB 20 2014

DIV. OF OIL, GAS & MINING

Dear Ms. Gardner:

The Application for Permit to Drill (APD) for the above-referenced well was approved on November 10, 2010. No extension of the original APD was requested. According to our records, no known activity has transpired at the approved location. In view of the foregoing, this office is notifying you that the approval of the referenced application has expired. If you intend to drill at this location in the future, a new Application for Permit to Drill must be submitted.

This office requires a letter confirming that no surface disturbance has been made for this drill site. Any surface disturbance associated with the approved location of this well is to be rehabilitated. A schedule for this rehabilitation must be submitted to this office. Your cooperation in this matter is appreciated.

If you have any questions regarding this matter, please contact Robin R. Hansen at (435) 781-3428.

Sincerely,

/s/ Jerry Kenczka

Jerry Kenczka  
Assistant Field Manager  
Lands & Mineral Resources

cc: UDOGM  
BIA

bcc: Well File  
I&E Asst.